

A NEW SPECIES OF *LEUCAS* FROM ANDHRA PRADESH

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***Leucas mukerjiana* Subbarao et Kumari, sp. nov.**

Accedit ad *L. marrubiioides* Desf., differt tamen foliis utrinque dense velutinis, inflorescentia pauci-vel multiflora, fauce calycis tubi villosa, corolla intus nuda et nuculis cinereis, rugosis, opacis, ad apicem et ad basim villosis.

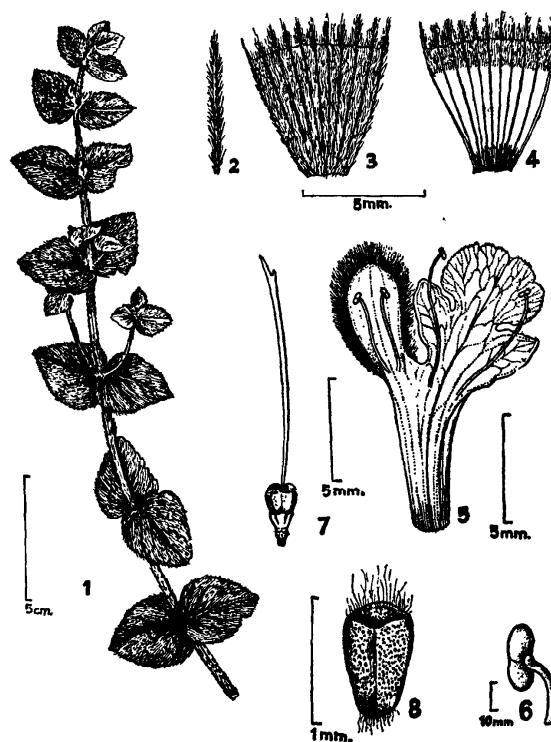
Herba decumbens, c. 45 cm alta, caule quadrangulare, pilis albis deflexis sericeo-villosis tecto. Folia sessilia, opposita, decussata, 1.8-3.7 × 1.4-3.4 cm, crassa, ovata, cordata, dentata, utrinque dense velutina, nervo medio nervisque 5-6 lateralibus binatis supra impressis et subter elevatis. Inflorescentia verticillata, axillaris, pauci-vel multiflora. Bractae filiformes, villosae, saepe tubo calycis aequantes. Calycis tubus 5 mm longus, rectus, manifeste 10-nervis, extus et ad faucem villosus. Dentes 10, filiformes, ciliati, inaequales, 2 mm longi, multo quam faucis villos longiores. Corolla bilabiata, alba, c. 11 mm longa, tubo intus nudo, labio superiore concavo, extus pilis albis rigidis tecto, labio inferiore 3-loba, lobo mediano majore et emarginato. Stamina didynama, jugo superiore breviora sub labium superius adscendente. Antherae conniventes, cellulis divaricatis, ad apicem confluentibus. Discus 4-lobus, lobis aequalibus. Ovarium 4-lobatum; stylus gynobasicus, bifidus, lobo superiore minuto. Nuculae 4, 1 mm longae, triquetrae, obovoideae, cinerae, rugosae, opacae, ad apicem et ad basim villosae.

Holotypus Subbarao 28182 A et isotypi Subbarao 28182 B, C, D, a G. V. Subbarao die 29 augusti anni 1966, paratypi vero Subbarao et Kumari 29741 A-U a G. V. Subbarao et G. R. Kumari die 4 januarii anni 1968 ad Cherukonda, (alt. s.m. 1300 m) in dist. Visakhapatnam, in Andhra Pradesh, lecti sunt. Typus (Subbarao 28182 A) in herbario centrali nationali, ad Calcuttam (CAL), isotypi (Subbarao 28182 B,C,D) et paratypi autem (Subbarao et Kumari 29741 A-U) in herbario regionis australis Bot. Surv. India ad Coimbatore (MH) positi sunt.

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Allied to *Leucas marrubiioides* Desf. but differs from it in having leaves densely velvety on both

sides, inflorescence few to many flowered, throat of calyx tube villous, corolla naked within and nutlets grey, rugose, dull, hairy at top and base.



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Figs. 1-8: 1. Part of the plant. 2. Bract. 3. Calyx tube split open—outer view. 4. Calyx tube split open—inner view. 5. Corolla split open. 6. Stamen. 7. Gynoecium. 8. Nutlet.

Decumbent herb, ca. 45 cm high; stem quadrangular, covered with white, deflexed, silky villous hairs. Leaves sessile, opposite, decussate, 1.8-3.7 × 1.4-3.4 cm, thick, ovate, cordate, dentate, densely velvety on both sides; lateral nerves 5-6 pairs, midrib and lateral nerves impressed above and raised below. Inflorescence in whorls, axillary, few to many flowered. Bracts filiform, villous, often equalling calyx tube. Calyx tube 5 mm long, straight, prominently 10-nerved, villous without and at throat; teeth 10, filiform, ciliate, unequal, much

longer than villi of throat. Corolla bilabiate, white, ca. 11 mm long, tube naked within; upper lip concave, covered with white stiff hairs without, lower lip 3-lobed, middle lobe larger, emarginate. Stamens didynamous, upper pair shorter, ascending under upper lip; anthers connivent, cells divaricate, ultimately confluent. Disc 4-lobed, lobes equal. Ovary 4-lobed; style gynobasic, bifid, upper lobe minute. Nutlets 4, 1 mm long, triquetrous, obovoid, grey, rugose, dull and hairy at top and base.

Holotype *Subbarao* 28182 A and isotypes *Subbarao* 28182 B, C, D, and paratypes *Subbarao & Kumari* 29741 A-U were collected respectively by G. V. Subbarao on 29-8-1966 and by G. V. Subbarao & G. R. Kumari on 4-1-1968 at Cherukonda (1300 m alt.) in Visakhapatnam District, Andhra Pradesh. The type (*Subbarao* 28182 A) has been deposited in the Central National Herbarium, Calcutta and the

isotypes (*Subbarao* 28182 B, C, D) and paratypes (*Subbarao & Kumari* 29741 A-U) have been deposited in the Regional Herbarium, Botanical Survey of India, Coimbatore.

The species is named in honour of Dr. S. K. Mukerjee, ex-Keeper, Central National Herbarium, who is a specialist in Labiatae.

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